

What is claimed is:

1. A system for displaying caller information, comprising:

5 a caller terminal for storing caller information and transmitting data including the caller information during a call;

a service system for receiving the data including the caller information from the caller terminal and transmitting  
10 the data to a receiver terminal; and

the receiver terminal for receiving the data from the service system, storing the caller information to be linked with a telephone number of the caller terminal, and displaying the caller information when a paging signal is received.

15 2. The system as recited in claim 1, wherein the caller information is automatically stored in the receiver terminal by linking a telephone number contained in the data with a telephone number stored in a telephone directory.

20 3. A system for displaying caller information, comprising:

a caller terminal for transmitting data including caller information and a phone number of a designed receiver  
25 terminal;

a service system for temporarily storing the data received from the caller terminal and transmitting the data to

the designed receiver terminal when the designed receiver terminal is in a state that the caller information can be received; and

the receiver terminal for receiving the data from the service system, storing the caller information to be linked with a phone number of the caller terminal, and displaying the caller information when a paging signal is received.

4. The system as recited in claim 2, wherein the caller information is automatically stored in the receiver terminal by linking a telephone number contained in the data with a telephone number stored in a telephone directory.

5. A system for displaying caller information, comprising:

a caller terminal;

a service system for storing data including the caller information and phone numbers of designated receiver terminals and transmitting the caller information to the designated receiver terminal when the designated receiver terminal is in a state that can receive the caller information; and

the receiver terminal for receiving the data from the service system, storing the caller information to be linked with a phone number of the caller terminal, and displaying the caller information when a paging signal is received.

6. The system as recited in claim 5, wherein the caller

information is automatically stored in the receiver terminal by linking a telephone number contained in the data with a telephone number stored in a telephone directory.

5           7. The system as recited in claim 5, wherein the data including the caller information is stored in the service system via a wireless Internet or a personal computer.

10           8. A method for displaying caller information, comprising the steps of:

          (a) at a caller terminal, storing caller information and transmitting data including the caller information to a service system during a call;

15           (b) at the receiver terminal, receiving the data from the service system to store the caller information to be linked with a phone number of the caller terminal; and

          (c) at the receiver terminal, displaying the caller information when a paging signal is received.

20           9. The method as recited in claim 8, wherein the caller information is automatically stored in the receiver terminal by linking a telephone number contained in the data with a telephone number stored in a telephone directory.

25           10. A method for displaying caller information, comprising the steps of:

          (a) at a caller terminal, transmitting data packets

including the caller information and a phone number of a designated receiver terminal to a service system;

(b) at a service system, temporarily storing the data from the caller terminal and transmitting the data to the designated receiver terminal when the designated receiver terminal is in a state that can receive the caller information;

(c) at the receiver terminal, receiving the data from the service system to store the caller information to be linked with a phone number of the caller terminal; and

(d) at the receiver terminal, displaying the caller information when a paging signal is received.

11. The method as recited in claim 10, wherein the caller information is automatically stored in the receiver terminal by linking a telephone number contained in the data with a telephone number stored in a telephone directory.

12. A method for displaying caller information, comprising the steps of:

(a) at a service system, storing data including the caller information and a phone number of a designated receiver terminal and transmitting the caller information to the designated receiver terminal when the designated receiver terminal is in a state that can receive the caller information;

(b) at the receiver terminal, receiving the data from the

service system to store the caller information to be linked with a phone number of the designated receiver terminal; and

(c) at the receiver terminal, displaying the caller information when a paging signal is received.

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13. The system as recited in claim 12, wherein the caller information is automatically stored in the receiver terminal by linking a telephone number contained in the data with a telephone number stored in a telephone directory.

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14. The method as recited in claim 12, wherein the data including the caller information is stored in the service system via a wireless Internet or a personal computer.

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15. A mobile terminal, comprising:

a radio frequency (RF) receiver for receiving data including caller information;

a memory unit for storing the caller information to be linked with a telephone number of a caller terminal; and

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a controller for controlling a mobile terminal to display the caller information when a paging signal is received.

16. The mobile terminal as recited in claim 15, wherein the caller information is automatically stored in the receiver terminal by linking a telephone number contained in the data with a telephone number stored in a telephone directory.

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